

**SPRING CREEK
WBID 1603**

Recreational Use Attainability Analysis

May 2007

PREPARED FOR:
RFP No: B3Z07134
Water Quality Monitoring & Assessment Section
Water Protection Program
Division of Environmental Quality
MISSOURI DEPARTMENT OF NATURAL RESOURCES
301 West High Street
Jefferson City, MO 65102

PREPARED BY:
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Columbia, MO 65201

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

I. Water Body Information (For water body being surveyed)

Water Body Name (from USGS 7.5' quad):	Spring Creek		
Missouri Water Body Identification (WBID) Number:	1603		
8-digit HUC:	10290202	County:	Texas
Upstream Legal Description (from Table H):	26, 33N, 9W		
Downstream Legal Description (from Table H):	16, 33N, 9W		
Number of sites evaluated	1		
List all sites numbers, listed cnsquently upstream to downstream:	Site 1		

II. Subsegmentation (fill this section out only in cases where subsegmentation is being proposed)

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)			
Upstream Coordinates:		Downstream Coordinates:	
UTM X	Y	UTM X	Y
HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the locational data.)			
Global Positioning System (GPS)		Interpolation	
Static Mode		Topographic Map or DRG	
Dynamic Mode (Kinematic)		Aerial Photograph or DOQQ	
Precise Positioning Service		Satellite Imagery	
Signal Averaging		Interpolation Other	
Real Time Differential Processing			
HORIZONTAL ACCURACY ESTIMATE			
GPS Data Quality		Interpolation Data Quality	
FOM	± _____ Meters	Source Map Scale: 1:24,000 1:100,000 Other _____	
EPE	± _____ Feet or ± _____ Meters	± _____ Feet or ± _____ Meters	
PDOP			

III. Discharger Facility Information (list all permitted dischargers on the stream)

Discharger Facility Name(s):	Licking Northwest WWTP
Discharger Permit Number(s):	MO 0040118

IV. UAA Surveyor (please print legibly)

Name of Surveyor	Nick Muenks	Telephone Number:	573-443-4100
Organization/Employer:	MEC Water Resources		
Position:	Water Quality Scientist		

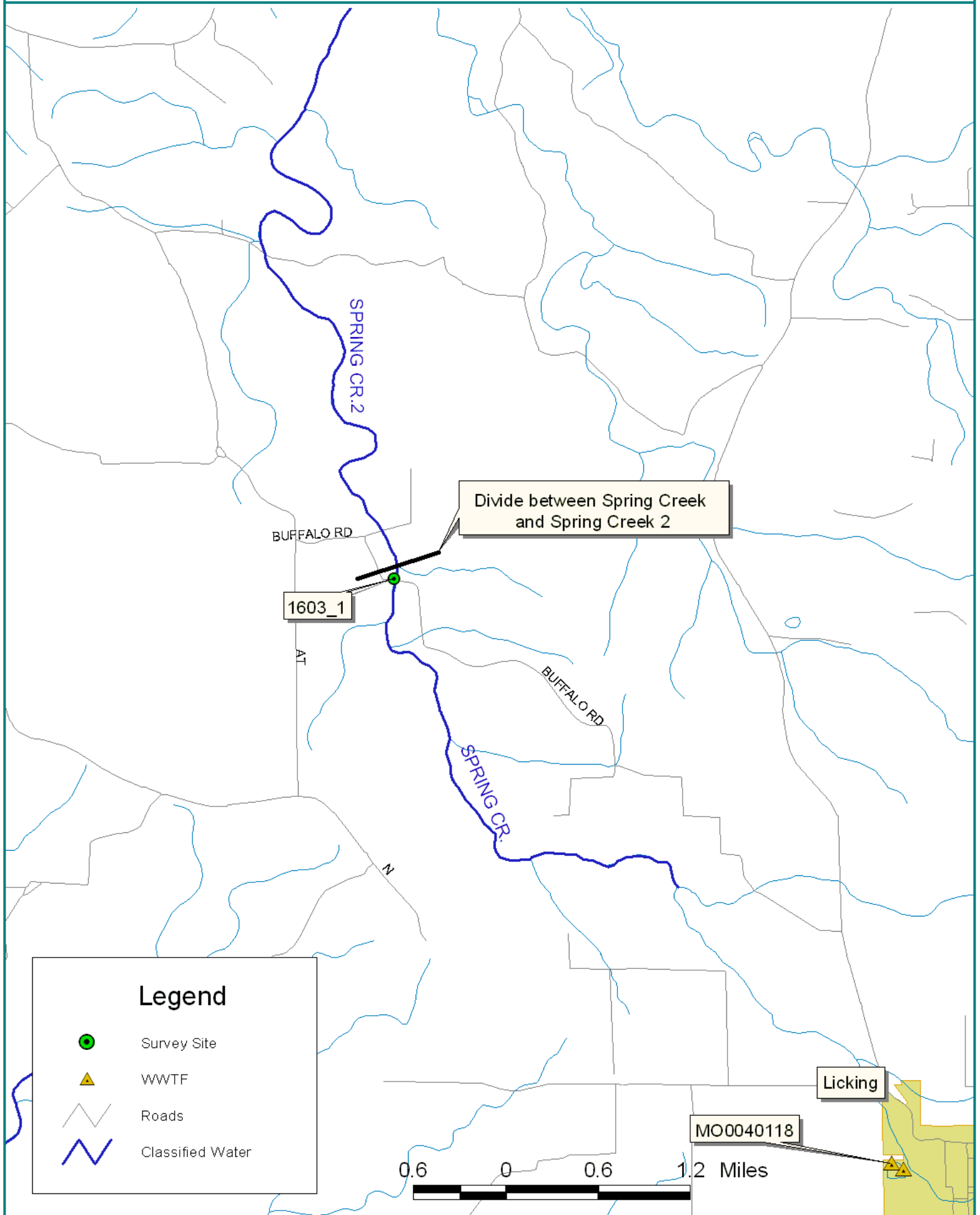
Please verify that you have completed all sections, checked all applicable boxes and that everything is complete.

Signed: Nick Muenks Date: 5/10/07

RUC 5-33-07

MCS/24/07

Spring Creek (1603), Length = 3.5 mi., Permit # MO0040118



WBID# 1603
 Site# 1

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(must be completed for each site)

Date & Time: <u>5/10/07 1450</u>	Site Location Description (e.g., road crossing): <u>Buffalo Rd - Most (only) downstream crossing</u>
Personnel (Data Collectors): <u>Nick M. Jerrod R</u>	Facility Name: <u>Licking Northwest WWTP</u>
Current Weather Conditions: <u>Clear</u>	Permit Number: <u>MO 0040118</u>
Weather Conditions for Past 10 days:	
Drought Conditions?: No drought <input checked="" type="checkbox"/> ; Phase I <input type="checkbox"/> ; Phase II <input type="checkbox"/> ; Phase III <input type="checkbox"/> ; Phase IV <input type="checkbox"/> ; Unknown <input type="checkbox"/>	

Site Locations:

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)			
Site GPS Coordinates: UTM X: <u>0595040</u>		Y: <u>4157614</u>	
HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the locational data.)			
Global Positioning System (GPS)		Interpolation	
Static Mode	<input checked="" type="checkbox"/>	Topographic Map or DRG	
Dynamic Mode (Kinematic)		Aerial Photograph or DOQQ	
Precise Positioning Service		Satellite Imagery	
Signal Averaging		Interpolation Other	
Real Time Differential Processing			
HORIZONTAL ACCURACY ESTIMATE			
GPS Data Quality		Interpolation Data Quality	
FOM	± _____ Meters	Source Map Scale: 1:24,000 1:100,000 Other _____	
EPE	± <u>30</u> Feet or ± _____ Meters	± _____ Feet or ± _____ Meters	
PDOP			

Photos:

Photo ID# (WBID Site# ##)	Photo Purpose and Direction (upstream, downstream, other)	Photo ID# (WBID Site# ##)	Photo Purpose and Direction (upstream, downstream, other)
<u>1603-1-606</u>	<u>Downstream from Rd Crossing</u>		
<u>1603-1-607</u>	<u>Upstream from Rd Crossing</u>		
<u>1603-1-608</u>	<u>foot prints in stream bed</u>		
<u>1603-1-609</u>	<u>ATV tracks in stream bed</u>		

Uses Observed*: (Uses actually observed at time of survey.)

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use *Data Sheet D- Recreational Use Interview* when conducting interviews.)

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input checked="" type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input type="checkbox"/> None of the above	<input checked="" type="checkbox"/> Other: <u>*</u>

Comments: Water gaps present up and downstream - upstrm gap was washed out
*No water present - study segment listed as a losing stream (2007 coverage)

February 16, 2007

MR 5/24/07

Spring Creek (WBID 1603)

- Tributaries visited to see if flow was present.

Trib 1 → UTM Coordinates X: 0597344 30 ft accuracy
Y: 4155653

→ Standing water no flow present

→ Pictures

1603-Trib1-610 downstream view from rd

1603-Trib1-611 downstream view from rd

1603-Trib1-612 upstream view from rd

1603-Trib1-613 upstream view at rd - no flow into culvert

Trib 2 → UTM Coordinates X: 0598808 27 ft accuracy
Y: 4154335

→ No water present

→ Pictures:

1603-Trib2-614 Downstream view from rd

1603-Trib2-615 Downstream view from rd

1603-Trib2-616 Upstream view from rd

Nick Mueck 5/10/07

MEC Water Resources

Water Quality Scientist

AmC 5-23-07
AK 5/24/07

WBID# 1603



Site# 1 Photo ID# 1603-1-606, Downstream



Site# 1 Photo ID# 1603-1-607, Upstream



Site# 1 Photo ID# 1603-1-608, footprints



Site# 1 Photo ID# 1603-1-609, ATV tracks

WBID# Tributary 1



Site# Trib 1 Photo ID# 1603-trib1-610, Downstream



Site# Trib 1 Photo ID# 1603-trib1-611, downstream



Site# Trib 1 Photo ID# 1603-trib1-612, Upstream



Site# Trib 1 Photo ID# 1603-trib1-613, Upstream

WBID# Tributary 2



Site# Trib 2 Photo ID# 1603-trib2-614, Downstream



Site# Trib 2 Photo ID# 1603-trib2-615, downstream



Site# Trib 2 Photo ID# 1603-trib2-616, Upstream